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**Java Class**

public class MathOperations {

// Declare native methods

public native int add(int a, int b);

public native int subtract(int a, int b);

static {

// Load the DLL

System.loadLibrary("MathOperations");

}

public static void main(String[] args) {

MathOperations mathOps = new MathOperations();

System.out.println("Addition: " + mathOps.add(5, 3));

System.out.println("Subtraction: " + mathOps.subtract(5, 3));

}

}

**Header File**

javac MathOperations.java

javah -jni MathOperations

**Native Methods in C/C++**

#include <jni.h>

#include "MathOperations.h"

JNIEXPORT jint JNICALL Java\_MathOperations\_add(JNIEnv \*env, jobject obj, jint a, jint b) {

return a + b;

}

JNIEXPORT jint JNICALL Java\_MathOperations\_subtract(JNIEnv \*env, jobject obj, jint a, jint b) {

return a - b;

}

**C++ Code into a DLL:**

gcc -shared -o libMathOperations.dll -I"%JAVA\_HOME%/include" -I"%JAVA\_HOME%/include/win32" MathOperations.c

**output:**

**Addition: 8**

**Subtraction: 2**